

XVI. *New Moths collected by Mons. A. Avinoff in W. Turkestan and Kashmir during his journeys in 1909-1912.* By SIR GEORGE F. HAMPSON, Bart. Communicated by J. HARTLEY DURRANT.

[Read November 5th, 1919.]

A SHORT paper giving a list of the moths collected by Mons. Avinoff was sent to the Entomological Society in 1913. It was intended to be supplementary to a paper written by him giving a full itinerary of his journey and an account of the butterflies he collected; the MSS. of this paper was, however, lost in the post. Owing to the outbreak of war he has been unable to supply a copy of the missing MSS. It is therefore desirable to publish descriptions of the few new moths he collected of which the descriptions have not already appeared. The types are in the British Museum, and the numbers before the species refer to my catalogue of moths and papers on the classification of the *Pyralidae*.

## NOCTUIDAE.

### AGROTINAE.

#### 315a. *Euxoa dimorpha*, n. sp.

♂. Head and thorax grey faintly tinged with brown and mixed with blackish; tegulae with black medial line; patagia with some black scales near upper edge; tarsi black with pale rings; abdomen grey with an ochreous tinge and irrorated with fuscous. Fore wing grey faintly tinged with brown and irrorated with blackish, the veins with pale streaks; subbasal line double, black, waved, from costa to submedian fold; antemedial line double, black, oblique, waved; claviform moderate, slightly defined by black; orbicular and reniform whitish irrorated with fuscous and defined by black, the former round; an indistinct, sinuous dark medial line; postmedial line blackish defined on outer side by grey, double at costa, bent outwards below costa, then slightly dentate and produced to black and white points on the veins, oblique below vein 4, some whitish points beyond it on costa; subterminal line

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whitish defined on inner side by fuscous, excurved at vein 7 and angled outwards at veins 4, 3; a somewhat lunulate black terminal line and white line at base of cilia. Hind wing white tinged with reddish brown, the veins and terminal area brown; a slight dark terminal line; cilia white with a dark line through them from apex to vein 2; the underside whiter, the costal area irrorated with fuscous, a slight black discoidal lunule and terminal series of lunules from apex to vein 2.

♀. Thorax purple-red irrorated with white; fore-wing suffused with purple-red.

*Hab.* KASHMIR, Stagmo, 12,000 ft. 2 ♂, 1 ♀ type.  
*Exp.* 40–44 mill.

624a. *Feltia fuscifusa*, n. sp.

♂. Head and thorax pale olive-brown; palpi black except at tips; tegulae with black medial band; patagia edged with black scales above; abdomen brownish white, the terminal half suffused with fuscous; pectus, legs and ventral surface of abdomen suffused with blackish, the tibiae at extremities and tarsi ringed with white. Fore wing olive-grey, thickly irrorated with fuscous; subbasal line represented by dark striae from costa and cell, the former defined on outer side by white; antemedial line blackish defined on inner side by whitish, sinuous, excurved above inner margin; claviform defined by black, long and narrow; orbicular and reniform defined by black except above, the former round, the latter filled in with blackish; postmedial line blackish defined on outer side by whitish, bent outwards below costa, then minutely dentate and produced to points on the veins, excurved to vein 4, then incurved; subterminal line whitish with blackish suffusion before it and beyond it except at apex, angled outwards at veins 7, 4, 3; cilia olive ochreous with two slight blackish lines through them. Hind wing pure white, the costa and veins slightly tinged with brown, the hair on inner margin with an ochreous tinge; a fine brown terminal line from apex to vein 2; the underside with the costal area thinly irrorated with brown, a small discoidal spot.

*Hab.* KASHMIR, Khordong, 16,500 ft. 1 ♂ type. *Exp.* 26 mill.

HADENINAE.

1461a. *Trichoclea elaeochroa*, n. sp.

♀. Head and thorax olive-brown mixed with grey; pectus,

legs and abdomen grey-brown. Fore wing grey-brown irrorated with white and with some olive-yellow suffusion in the interspaces especially the cell and submedian interspace; an indistinct sinuous blackish subbasal line from costa to submedian fold; antemedial line blackish, waved; traces of a diffused medial line, oblique to vein 2, then erect; orbicular and reniform faintly defined by olive-yellow, the former round, the latter with its lower part filled in with fuscous, a white point at its inner lower extremity and two at outer extremity; postmedial line blackish, bent outwards below costa, then dentate, oblique below vein 4; subterminal line indistinct, olive-yellow, slightly waved, somewhat excurved at vein 7; cilia with a dark line through them. Hind wing fuscous tinged with grey; cilia ochreous white with a dark line through them; the underside with diffused curved postmedial line.

*Hab.* KASHMIR, Khalsi, 10,000 ft. 1 ♀ type. *Exp.* 44 mill.

## ZYGAENIDAE.

### ZYGAENINAE.

#### *Zygaena avinoffi*, n. sp.

♂. Head, thorax and abdomen black, the tegulae crimson; legs streaked with ochreous yellow. Fore wing black suffused with metallic blue; an elongate orange-yellow subbasal spot on costa and a patch from median nervure to above inner margin; a streak of orange-yellow scales below middle of costa; a rounded orange-yellow spot from below middle of costa to just below the cell where it is almost confluent with a larger round spot below end of cell; an elliptical spot beyond the cell, and a curved subterminal band from above vein 6 to below 3; cilia ochreous suffused with brown. Hind wing crimson, the base, inner margin and termen purple-black; cilia ochreous brown.

*Hab.* W. TURKESTAN, Pamirs, Koitesck, 13,100 ft. 1 ♂ type. *Exp.* 28 mill.

This species was taken on M. Avinoff's 1909 journey, and is nearest to *Z. coeandica* Ersch.

#### *Procris pamirensis*, n. sp.

♂. Head and thorax golden-green with a slight cupreous tinge and some blackish hairs mixed; antennae, with the branches blackish; tibiae and tarsi blackish; abdomen blackish tinged with

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cupreous purple and green at extremity and with purple on ventral surface. Fore wing uniform golden green, the cilia fuscous brown. Hind wing uniform fuscous brown, rather thinly scaled. Underside uniform fuscous brown without any green.

*Hab.* W. TURKESTAN, Pamirs, Alitshur, 12,500 ft. 2 ♂ type. *Exp.* 20 mill.

This species also was taken by M. Avinoff on his 1909 journey; it is closely allied to *P. dolosa* Stand., and has similar antennal characters, but has no green on the underside of the wings.

## PYRALIDAE.

### AGROTERINAE.

#### 118a. *Pyrausta rubritinetalis*, n. sp.

♀. Head whitish tinged with rufous; thorax black mixed with rufous; abdomen black irrorated with white; pectus, legs and ventral surface of abdomen white. Fore wing rufous irrorated with black; a black fascia above inner margin from base to beyond middle with a white fascia above it in submedian interspace; a black streak on extremity of median nervure with a white fascia above it in the cell; an oblique white band from below costa just before apex to inner margin, defined on each side by black, the black on inner side interrupted at submedian fold; a slight black terminal line. Hind wing fuscous, the cilia whitish with a fuscous line near base. Underside white irrorated with fuscous; fore wing with fuscous subterminal band; both wings with fine black terminal line.

*Hab.* KASHMIR, Nubra Valley, Panomite. 1 ♀ type. *Exp.* 20 mill.